PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference LW9107PC	FOR FURTHER ACTION	as v	see Form PCT/ISA/220 well as, where applicable, item 5 below.				
International application No. PCT/KR 2004/003429	(Earliest) Priority Date (day/month/) 8 January 2004 (08.01.20	vear) 04)	International filing date (day/month/year) 24 December 2004 (24.12.2004)				
Applicant SAN	ISUNG ELECTRO-MECHAN	IICS C	O., LTD				
This international search report has been according to Article 18. A copy is being	n prepared by this International Search transmitted to the International Burea	ing Autho	ority and is transmitted to the applicant				
This international search report consists	of a total of5 sheets.						
It is also accompanied by	a copy of each prior art document cite	d in this :	report.				
language in which it was filed, u	nless otherwise indicated under this its	:m.	s of the international application in the				
The international to this Authority		f a transla	ation of the international application furnished				
	de and/or amino acid sequence discl	osed in th	ne international application, see continuation of this first sheet.				
2. Certain claims were fou	nd unsearchable (see continuation of	this first	sheet)				
	king (see continuation of this first she						
4. With regard to the title,							
the text is approved as su							
the text has been established by this Authority to read as follows:							
-2-							
5. With regard to the abstract,							
the text is approved as s	abmitted by the applicant.	. Authori	ty as it appears in the continuation of this first				
the text has been established. The applicant maccomments to this Autho	y, within one month from the date of r	nailing of	this international search report, submit				
With regard to the drawings,	Pinn	N1-	2				
a. the figure of the drawings to be	published with the abstract is Figure	NO					
as suggested by the applicant.							
as selected by this Authority, because the applicant failed to suggest a figure. as selected by this Authority, because this figure better characterizes the invention.							
as selected by this Auth	ority, because this figure better charac	CLIZED WIL					
b page of the figures is to be published with the abstract.							

INTERN IONAL SEARCH REPORT

International application No. PCT/KR 2004/003429

Continuation of first sheet

Continuation No. IV:

Text of the abstract

(Continuation of item 5 of the first sheet)

A surface light source device (100) includes a first substrate (110), an electrode (150), a discharge auxiliary layer (112), a fluorescent layer (114) and a second substrate (120). The discharge auxiliary layer (112) includes carbon nanotubes and an oxide. The surface light source device may further include a florescent layer. The surface light source device (100) may have a discharge fluorescent layer including carbon nanotubes, an oxide and a fluorescent material instead of a discharge auxiliary layer (112) and a fluorescent layer (114). Using carbon nanotubes and an oxide in the surface light source device, a discharge firing voltage and a discharge sustaining voltage may be lowered due to a geometric effect of a carbon nanotube and a high yield of secondary electron. Therefore, efficiency of the surface light source device is improved, so that power consumption of an LCD apparatus is decreased and luminance of the LCD apparatus is increased.

Form PCT/ISA/210 (continuation of first sheet (0)) (January 2004)

INTERN IONAL SEARCH REPORT

International application No. PCT/KR 2004/003429

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: H01J 65/04, H01J 61/30, G02F 1/13357

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC⁷: G02F, H01J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) EPOCOD, WPI, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 1 122 759 A2 (SAMSUNG) 8 August 2001 (08.08.2001) figures 3, 9-12, paragraphs 10-14, 19-20, 34-41.	1-4, 9, 10, 12, 13, 14, 16, 17, 19, 22, 23, 26
А	KR2003081866 A (NANOPACIFIC INC) 22 October 2003 (22.10.2003) (abstract).[online] [retrieved on 15.03.2005]. Retrieved from: EPOQUE WPI Database	1, 2, 9, 10, 12, 14, 16, 17, 19, 22, 23, 26
Α	US 2002/0105259 A1 (KIM) 8 August 2002 (08.08.2002) figures 2-4, 9C, 9D, paragraphs 33-35, 42.	1-3, 9-11, 14, 16-18, 20, 22, 23, 26

×	Further	documents	are	listed	in	the	continuation	of Box	(
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- See patent family annex.
- Special categories of cited documents:
 "A" document defining the general state of the art which is not considered.
- to be of particular relevance
 "E" earlier application or patent but published on or after the international
- filing date
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- cited to establish the publication date of another citation or other special reason (as specified)
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- "O" document referring to an oral disclosure, use, exhibition or other means
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- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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INTERN IONAL SEARCH REPORT

International application No. PCT/KR 2004/003429

egory*	on). DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
-gory	Citation of describing with indication, where appropriate, of the relevant passages	
Α	US 2003/0132711 A1 (YOO et al.) 17 July 2003 (17.07.2003) figures 1-4, 7, paragraphs 8-11, 26-36, 40-44.	1, 9, 14, 16, 22 26
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INTERNATI IAL SEARCH REPORT Information on patent family members

rnational application No. PCT/KR 2004/003429

	Patent document cited in search report		Publication date	Patent family member(s)			Publication date
EP	A2	1122759	2001-08-08	JP US KR	A B1 A	2001222944 6346775 2001077686	2001-08-17 2002-02-12 2001-08-20
KR	A	20030818 66	2003-10-22			none	
US	A	20020105 259				none	
US	A	20030132 711				none	